

FIG. 1

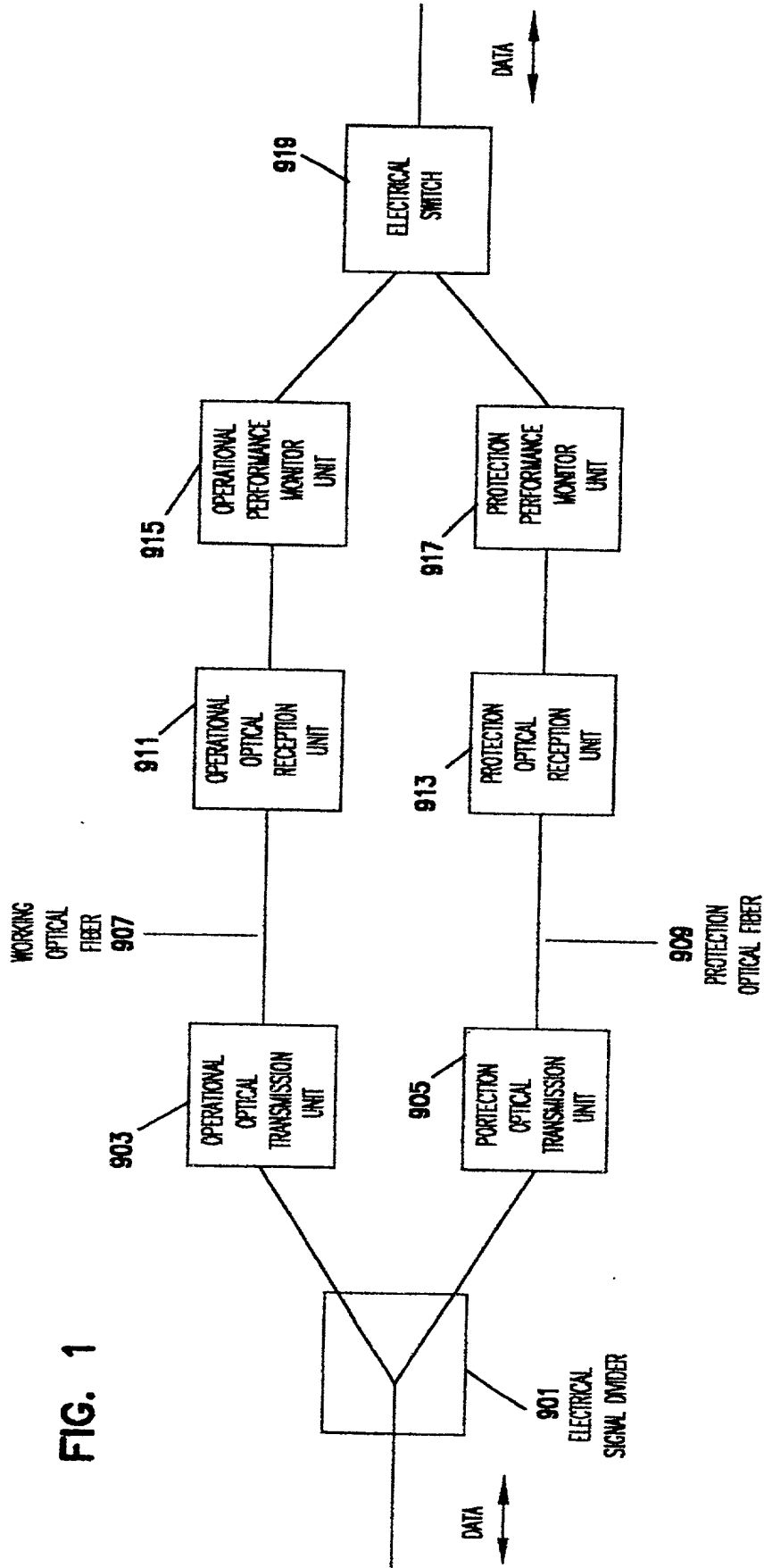


FIG. 2

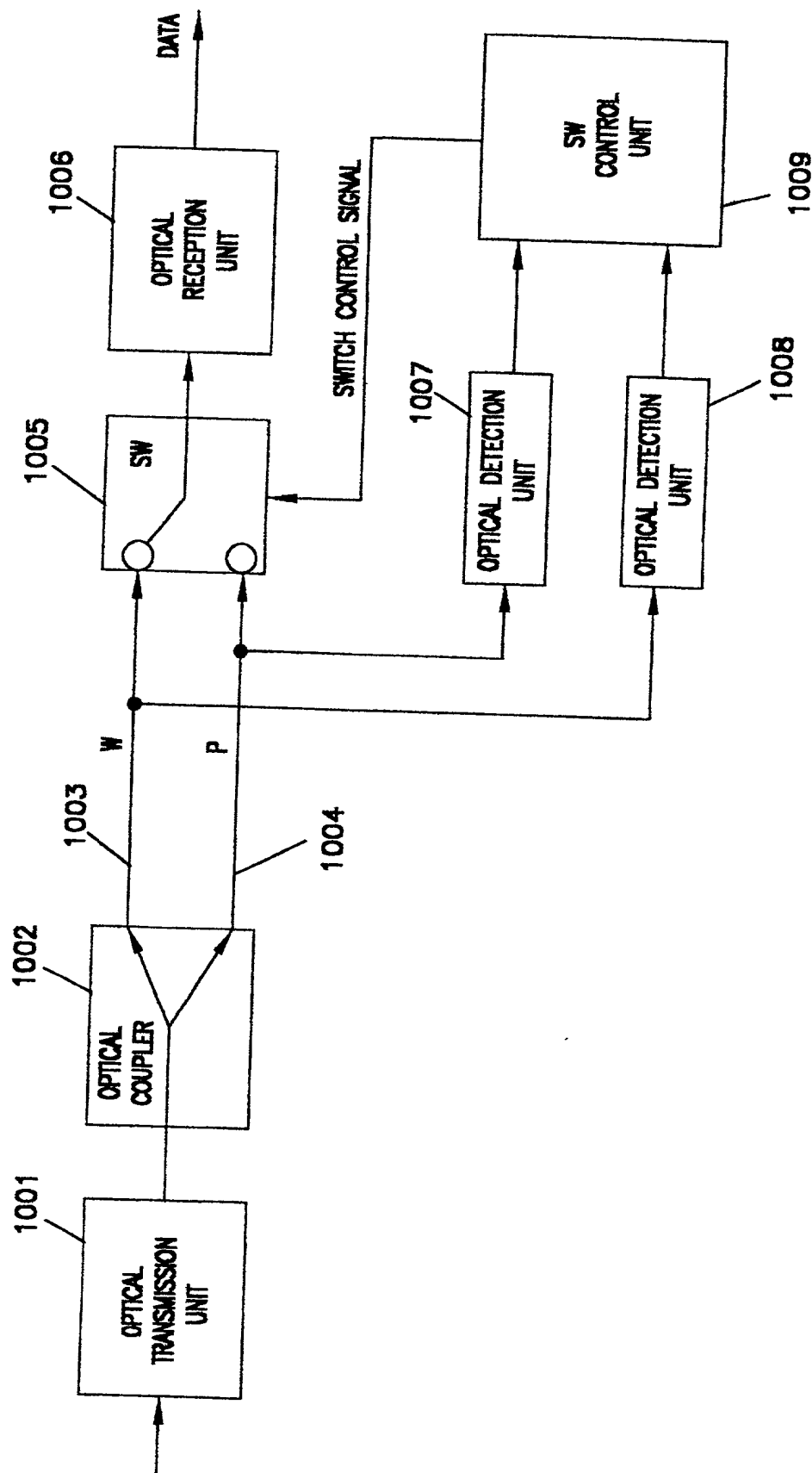


FIG. 3

| | | |
|--------------------------|---|--|
| MONITORING UNIT | OPTICAL DETECTION UNIT 1007, 1008 | PERFORMANCE MONITORING UNIT 915, 917 |
| MONITORING ASPECT | OPTICAL STRENGTH | OPTICAL SIGNAL QUALITY/PERFORMANCE |
| MONITORED INFORMATION | REDUCED OPTICAL SIGNAL STRENGTH | NO OPTICAL SIGNAL OUT OF FRAME AIS SIGNAL REDUCED SIGNAL STRENGTH |

FIG. 4

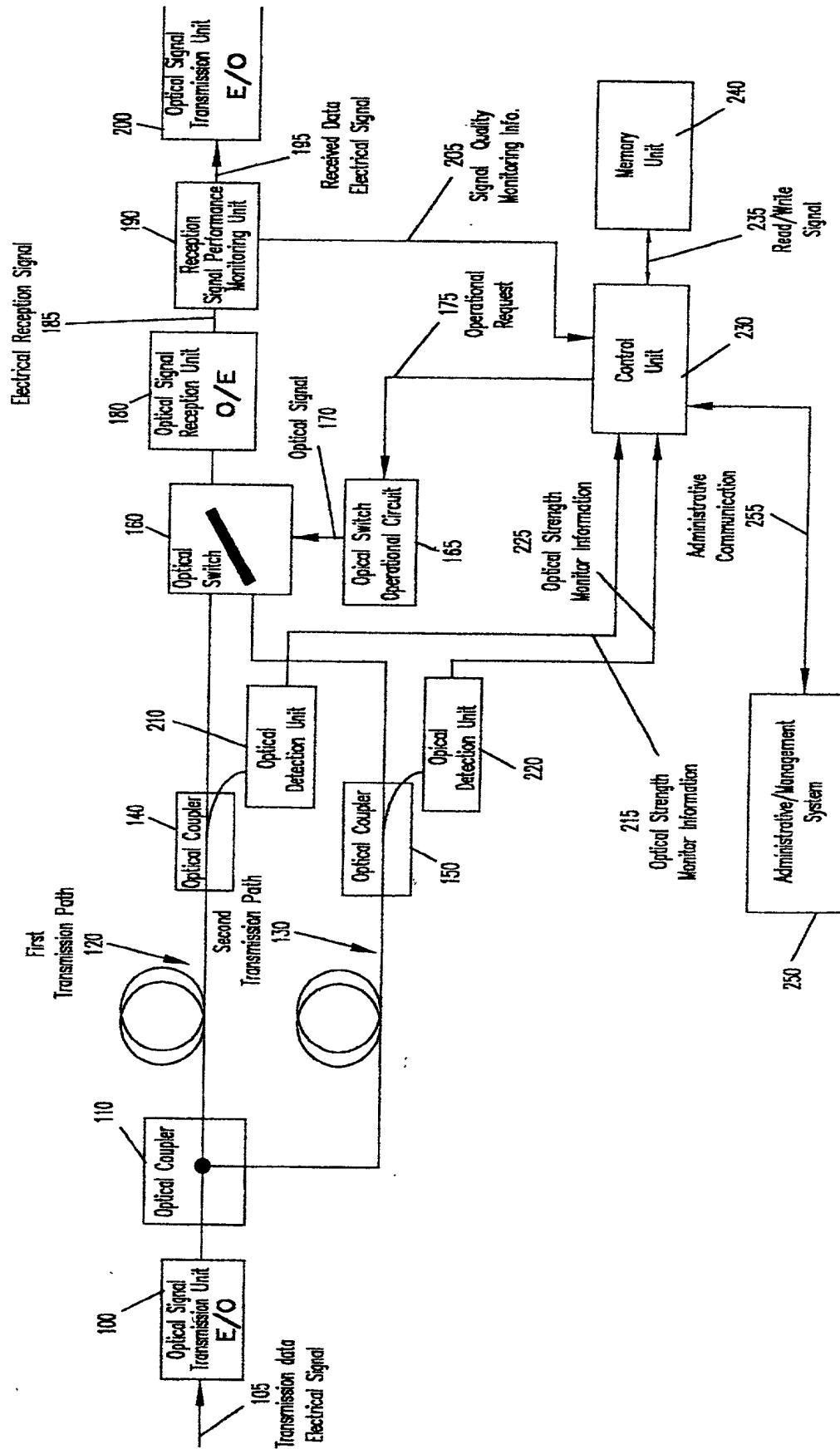
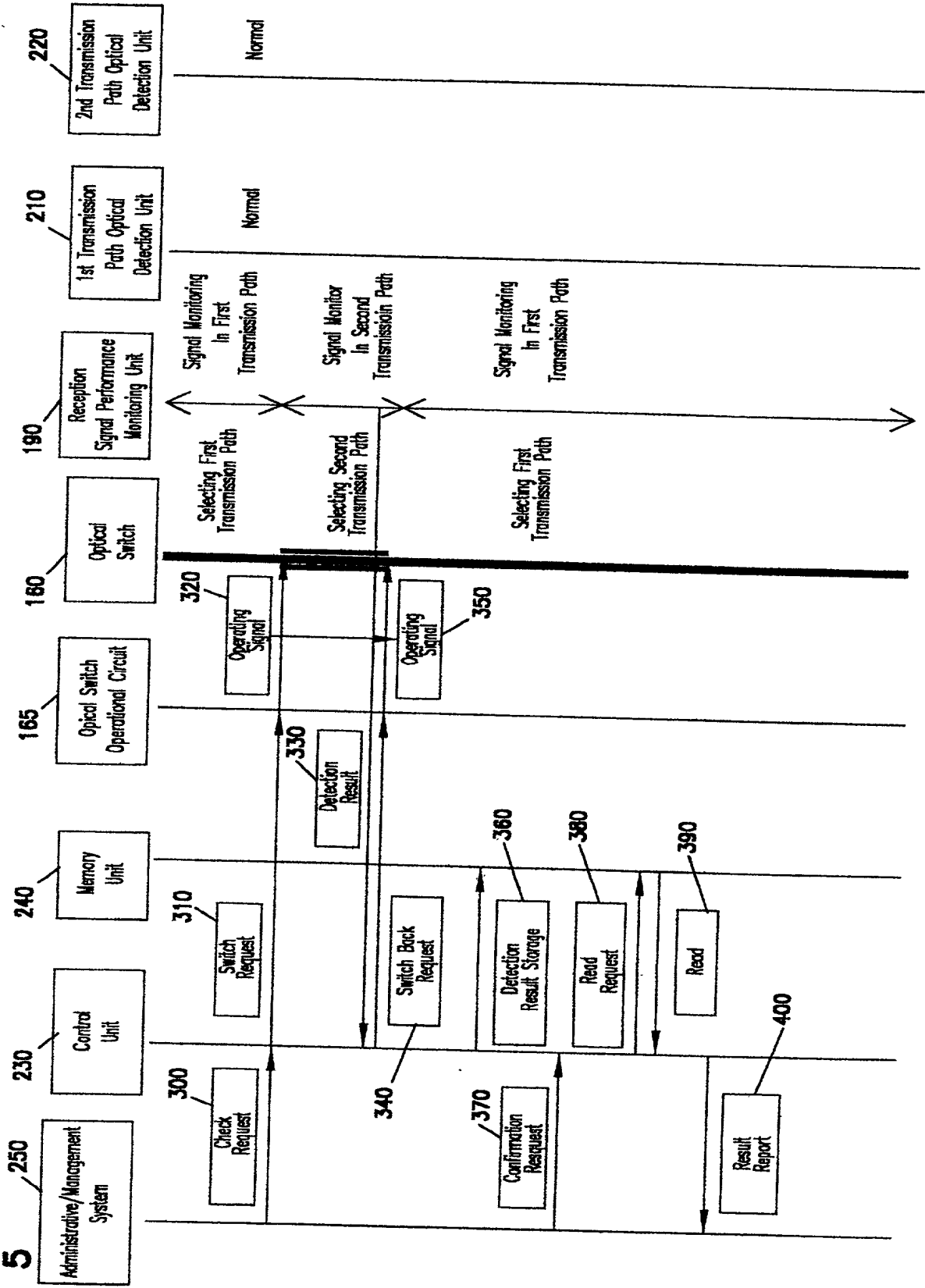


FIG. 5



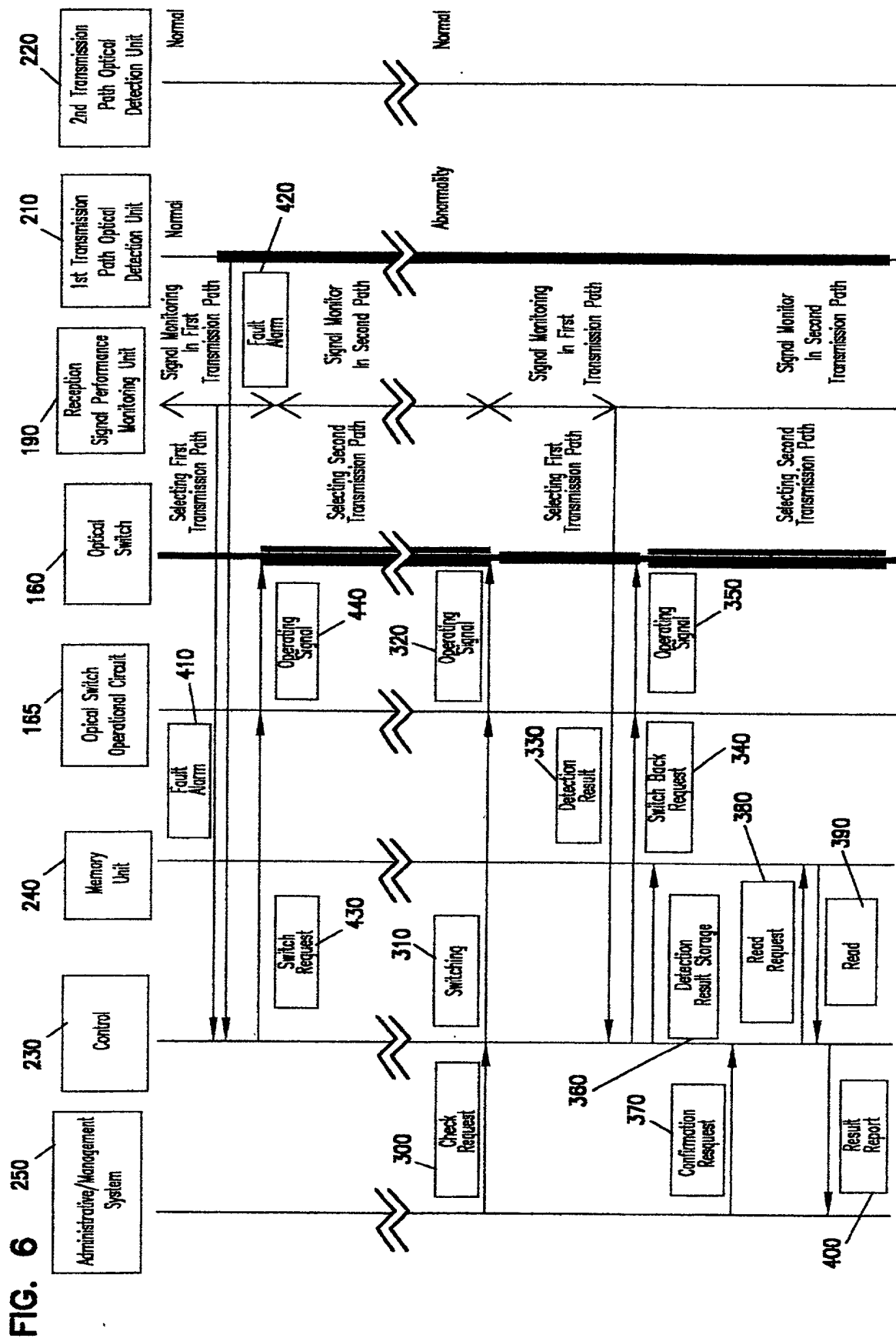


FIG. 7

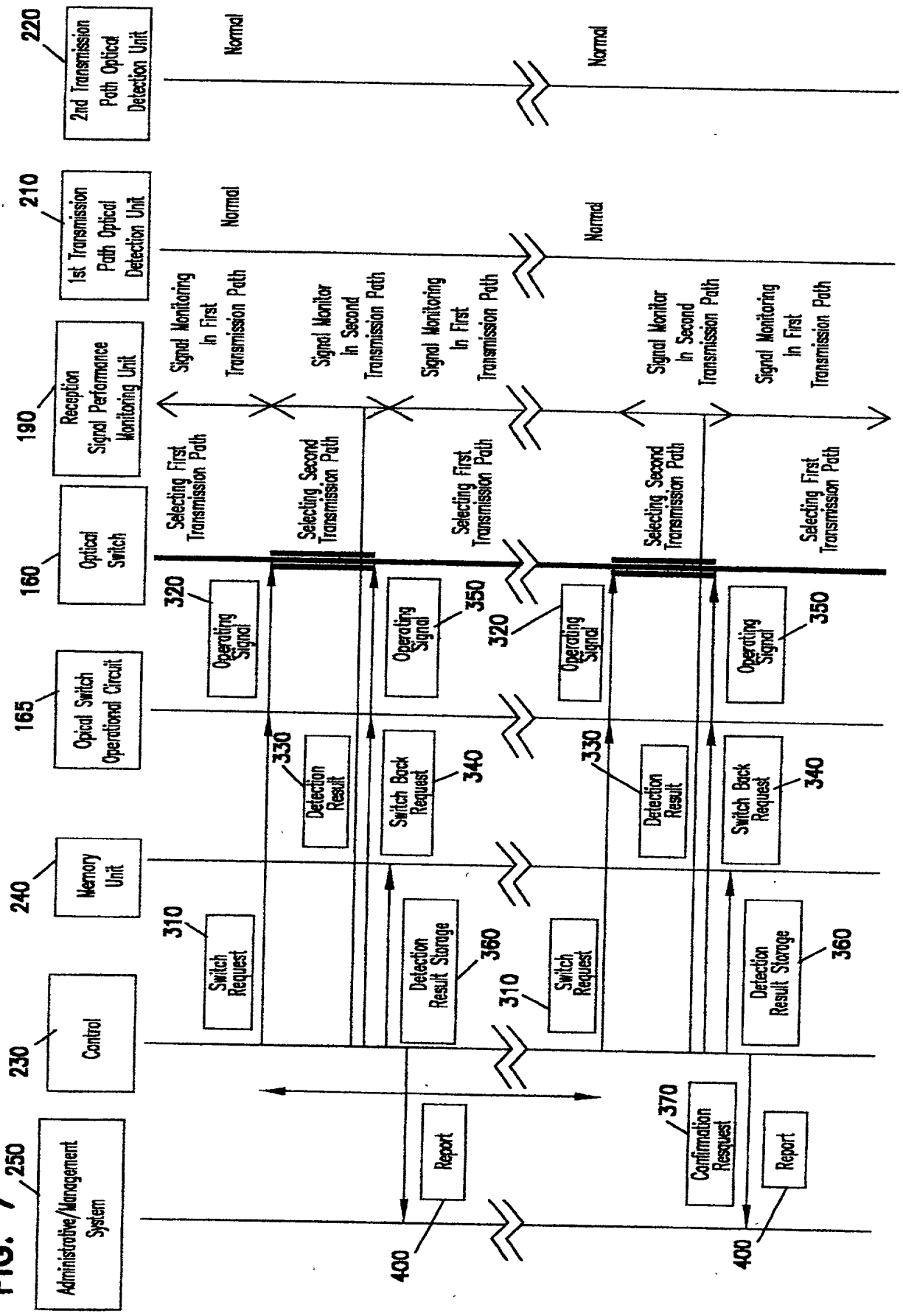


FIG. 8

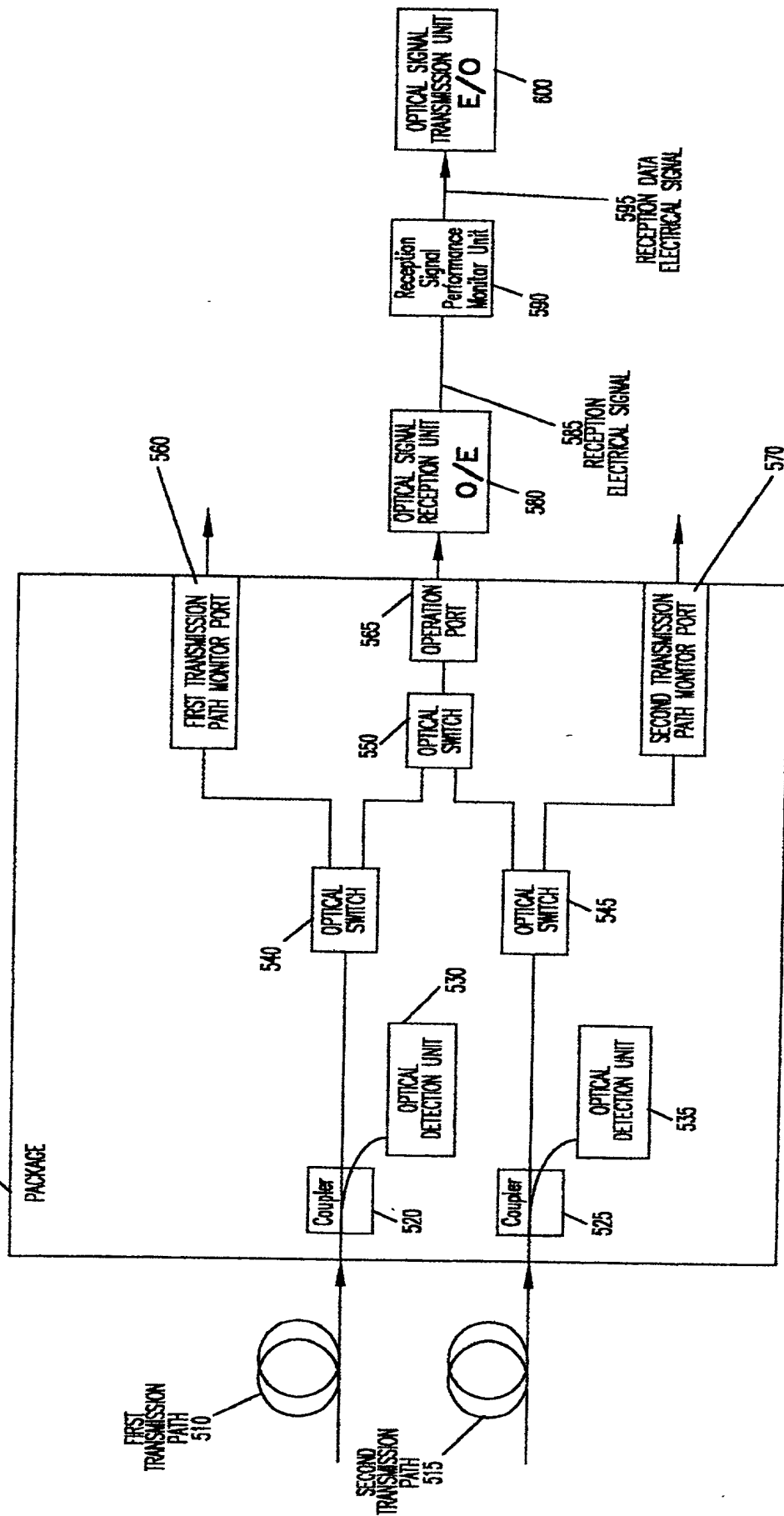


FIG. 9

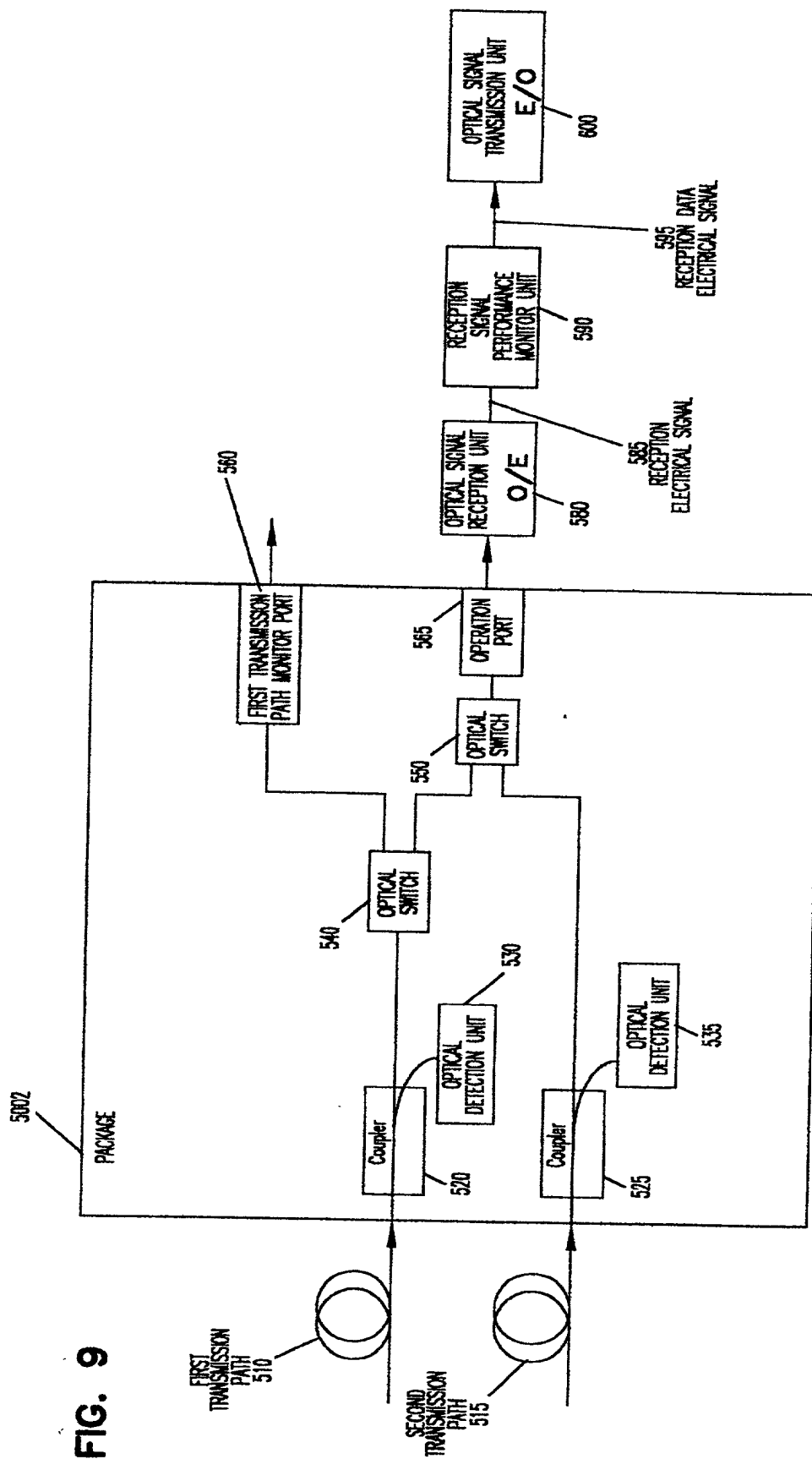


FIG. 10

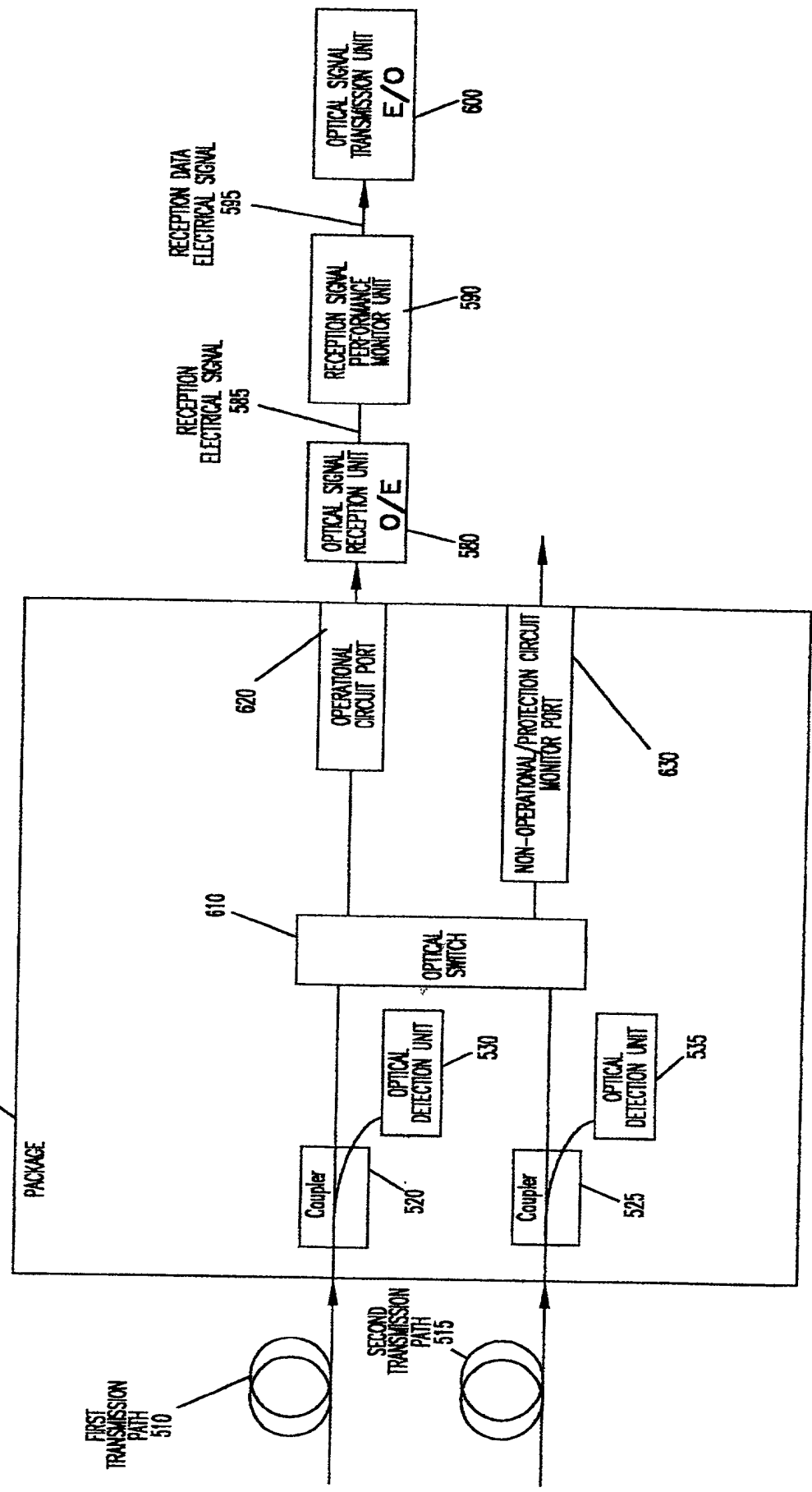


FIG. 11

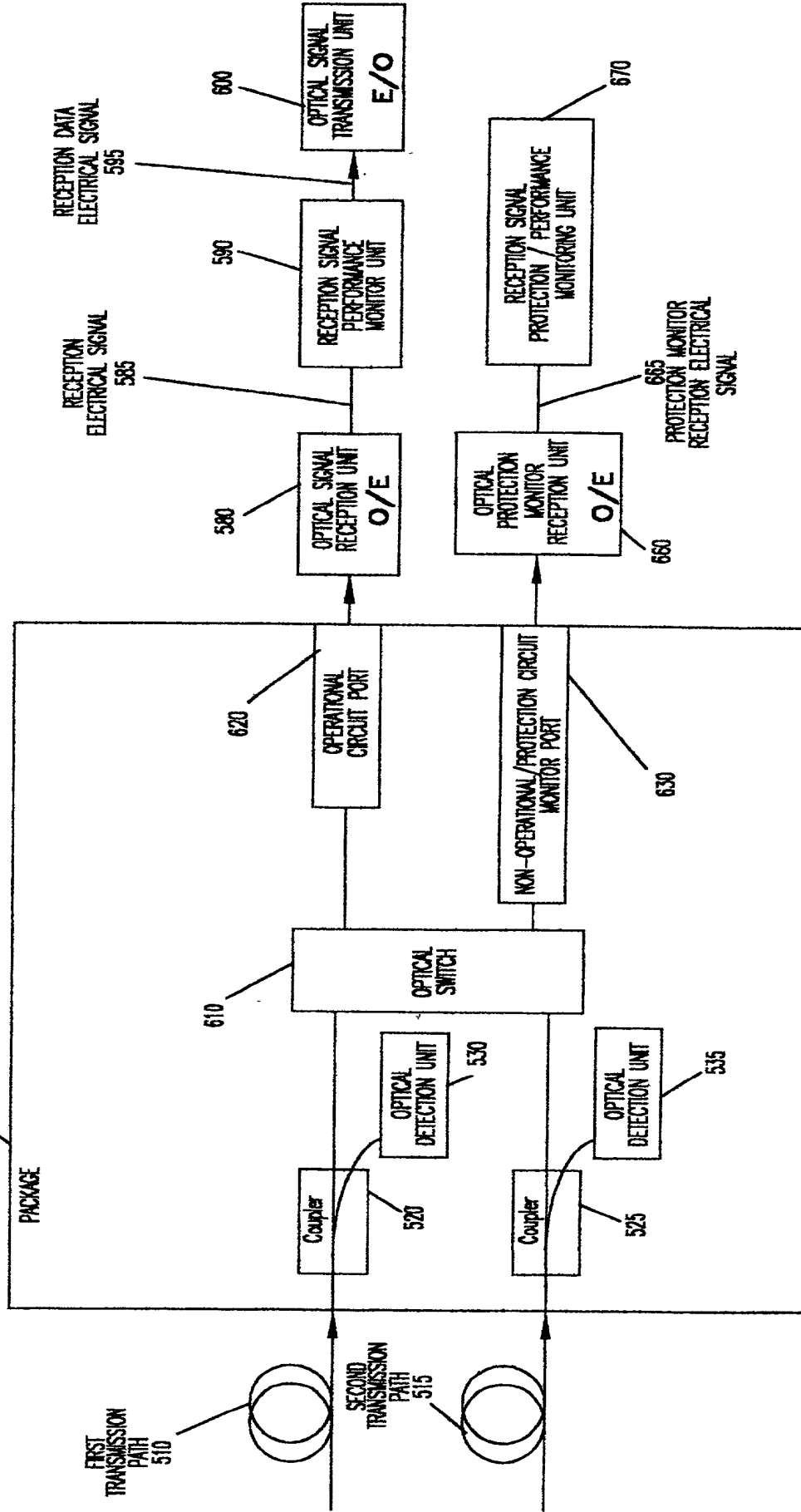


FIG. 12

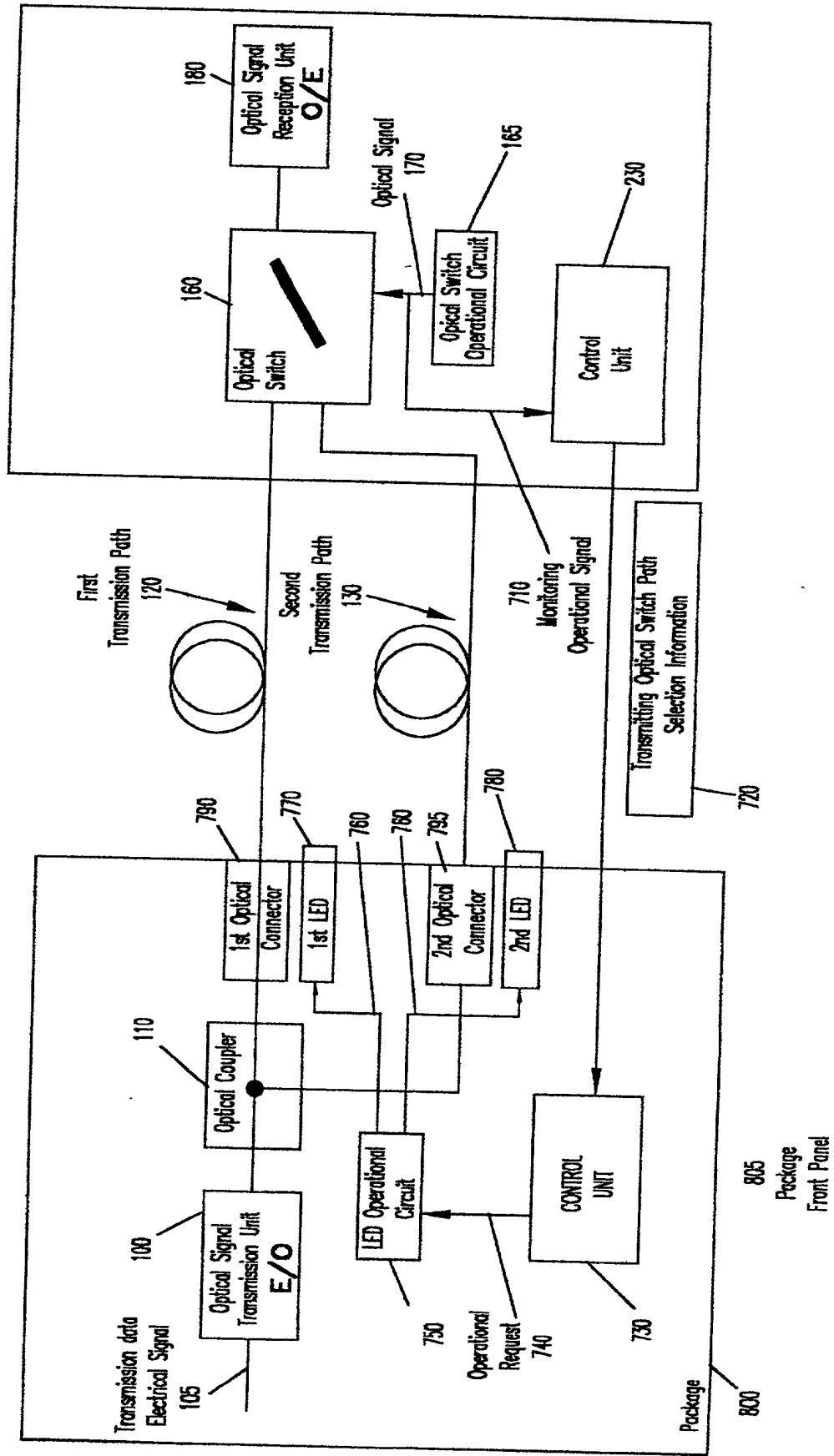
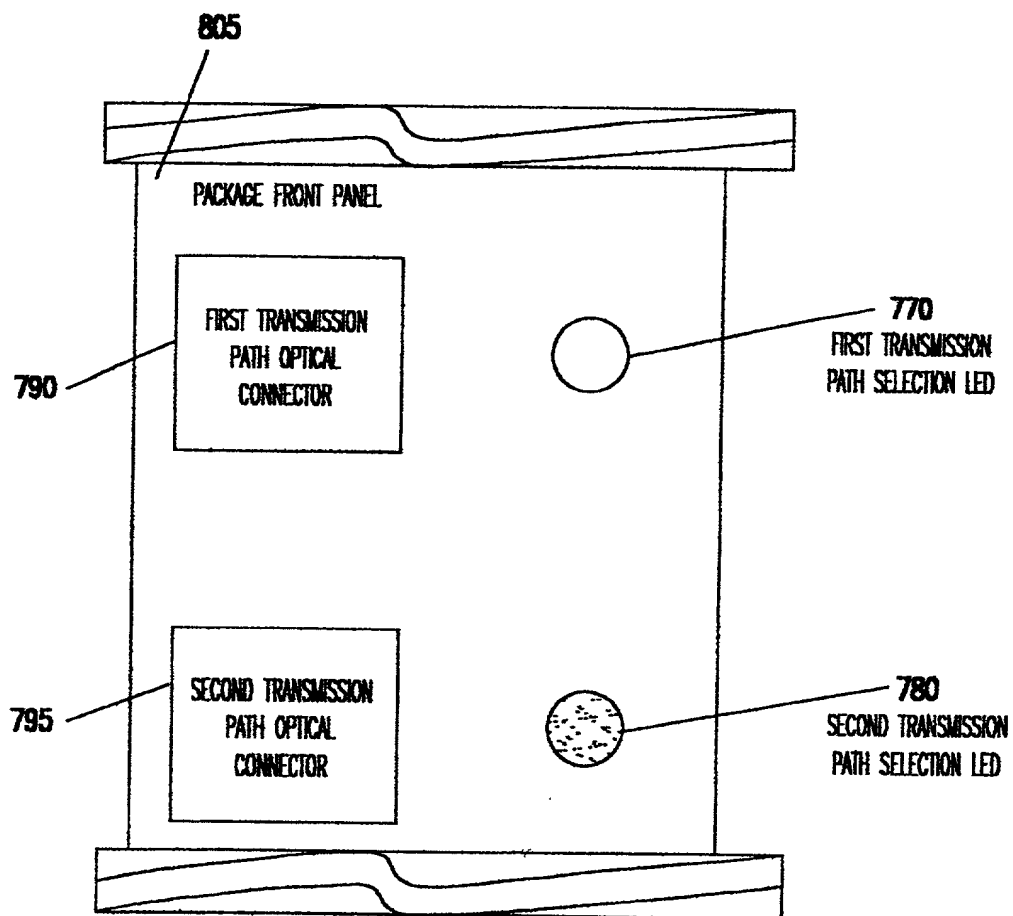


FIG. 13



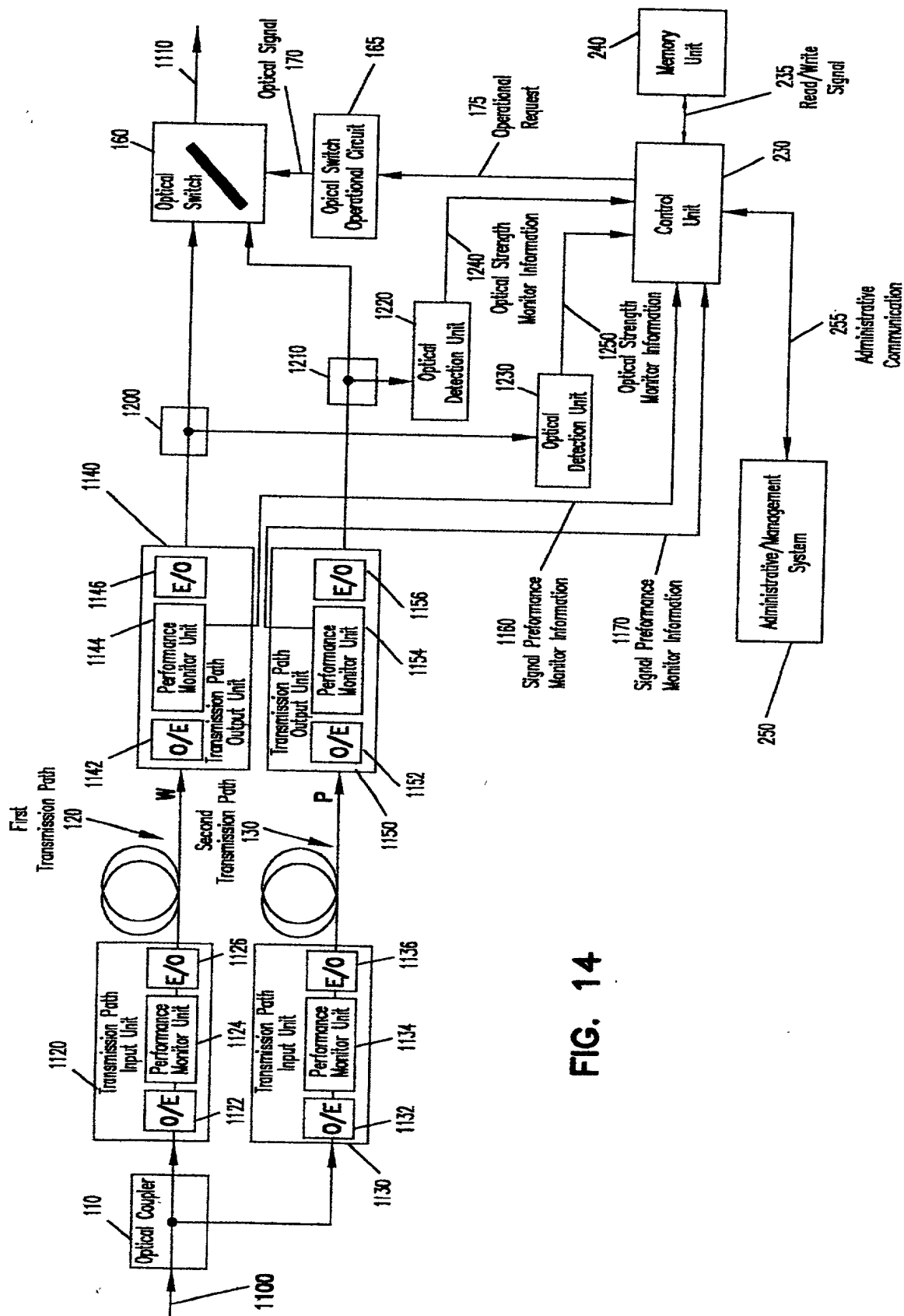


FIG. 14

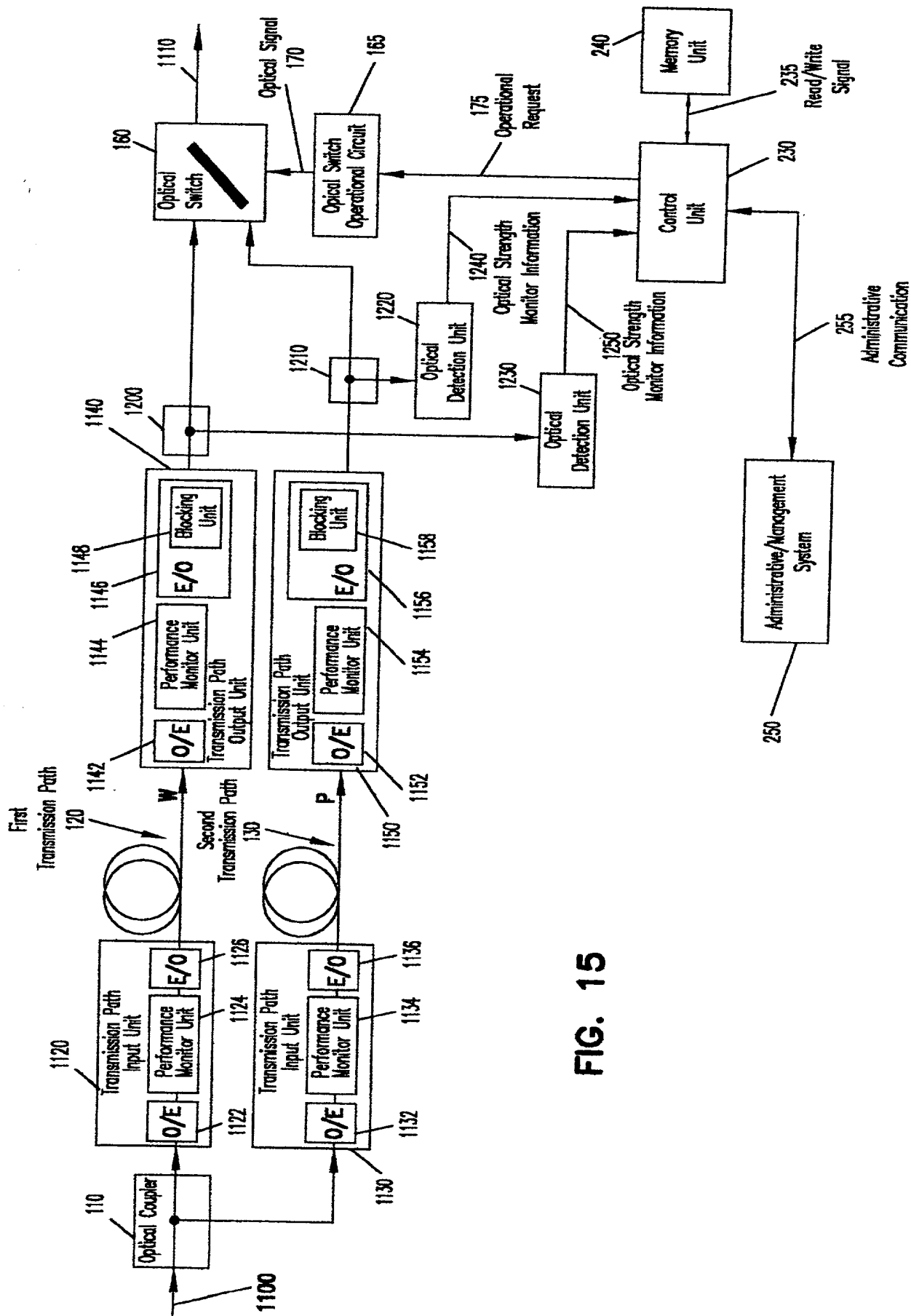


FIG. 15

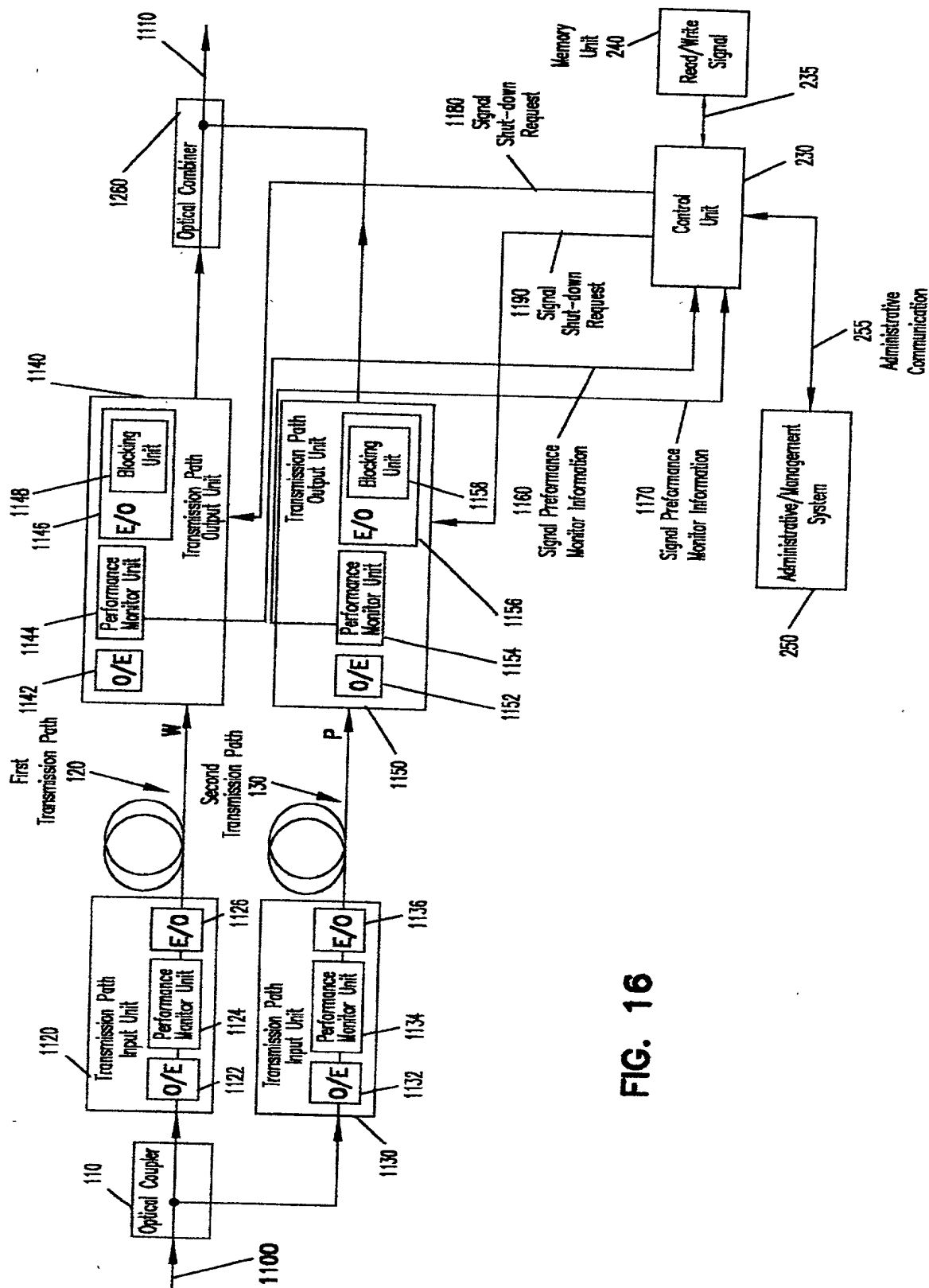


FIG. 16